

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions of claims in the application:

**Listing of Claims:**

1. (Previously Presented) A computer-implemented performance monitoring system, comprising:
  - a performance component that initiates at least one low-priority thread involving at least one computing resource, the low-priority thread comprising at least one selected from a group consisting of a memory-intensive operation thread and a computationally-intensive operation thread; and
  - a monitoring component that obtains at least one performance parameter for the at least one computing resource derived, at least in part, from the low-priority thread initiated by the performance component, the monitoring component generates a report based on the at least one performance parameter upon the occurrence of a predetermined user-selected event.
2. (Cancelled)
3. (Original) The system of claim 1, the computing resource comprising at least one selected from the group consisting of a central processing unit (CPU) and a memory resource.
4. (Original) The system of claim 1, the performance parameter comprising at least one from the group consisting of available central processing unit (CPU) processing time, available memory, and available CPUs.
5. (Cancelled)

6. (Previously Presented) A computer-implemented method for facilitating computing system performance, comprising:

executing at least one low-priority thread involving at least one computing resource, the low-priority thread comprising at least one selected from a group consisting of a memory-intensive operation thread and a computationally-intensive operation thread;

obtaining at least one performance parameter for the computing resource derived, at least in part, from execution of the low-priority thread; and

generating a report based on the at least one performance parameter upon the occurrence of a predetermined user-selected event.

7. (Cancelled)

8. (Original) An entity employing the method of claim 6 comprising at least one selected from the group consisting of a light-weight operating system, a self-tuning application, a cell phone, a personal digital assistant (PDA), a logical central processing unit (CPU), an application programming interface (API), a computer, a server, and a handheld electronic device.

9. (Cancelled)

10. (Original) A device employing the system of claim 1 comprising at least one selected from the group consisting of a computer, a server, and a handheld electronic device.

11. (Previously Presented) A computer-implemented performance monitoring system, comprising:

a performance component that initiates at least one high-frequency interrupt involving at least one computing resource, the high-frequency interrupt comprising an interrupt with a frequency of at least 300 Hertz; and

a monitoring component that obtains at least one performance parameter for the computing resource derived, at least in part, from the high-frequency interrupt initiated by the performance component, the monitoring component generates a report based on the at least one performance parameter upon the occurrence of a predetermined user-selected event.

12. (Cancelled)
13. (Original) The system of claim 11, the computing resource comprising at least one selected from the group consisting of a central processing unit (CPU) and a memory resource.
14. (Original) The system of claim 11, the performance parameter comprising at least one from the group consisting of available central processing unit (CPU) processing time, available memory, and available CPUs.
15. (Cancelled)
16. (Currently amended) A computer-implemented method for facilitating computing system performance, comprising:
  - executing at least one high-frequency interrupt involving at least one computing resource, the high-frequency interrupt comprising an interrupt with a frequency of at least 300 Hertz;
  - obtaining at least one performance parameter for the computing resource derived, at least in part, from execution of the high-frequency interrupt; and
  - generating a report based on the at least one performance parameter upon the occurrence of a predetermined user-selected event.
17. (Cancelled)
18. (Original) An entity employing the method of claim 16 comprising at least one selected from the group consisting of a light-weight operating system, a self-tuning application, a cell phone, a personal digital assistant (PDA), a logical central processing unit (CPU), an application programming interface (API), a computer, a server, and a handheld electronic device.
19. (Cancelled)

20. (Original) A device employing the system of claim 11 comprising at least one selected from the group consisting of a computer, a server, and a handheld electronic device.
21. (Currently Amended) A computer-implemented performance monitoring system, comprising:
- a performance component that initiates at least one low-priority thread involving at least one computing resource and at least one high-frequency interrupt involving at least one computing resource, wherein the low-priority thread comprising at least one selected from a group consisting of a memory-intensive operation thread and a computationally-intensive operation thread, the high-frequency interrupt comprising an interrupt with a frequency of at least approximately 300 Hertz, the computing resource comprising at least one selected from the group consisting of a central processing unit (CPU) and a memory resource, and the performance parameter comprising at least one from the group consisting of available central processing unit (CPU) processing time, available memory, and available CPUs; and
  - a monitoring component that obtains at least one performance parameter for the computing resource derived, at least in part, from at least one selected from the group consisting of the low-priority thread and the high-frequency interrupt initiated by the performance component, the monitoring component generates a report based on the at least one performance parameter upon the occurrence of a predetermined user-selected event.
22. (Cancelled)
23. (Cancelled)
24. (Cancelled)
25. (Cancelled)

26. (Previously Presented) A computer-implemented method for facilitating computing system performance, comprising:

executing at least one low-priority thread involving at least one computing resource and at least one high-frequency interrupt involving at least one computing resource, wherein the low-priority thread comprising at least one selected from a group consisting of a memory-intensive operation thread and a computationally-intensive operation thread;

obtaining at least one performance parameter for the computing resource derived, at least in part, from execution of at least one selected from the group consisting of the low-priority thread and the high-frequency interrupt; and

generating a report based on the at least one performance parameter upon the occurrence of a predetermined user-selected event.

27. (Cancelled)

28. (Original) An entity employing the method of claim 26 comprising at least one selected from the group consisting of a light-weight operating system, a self-tuning application, a cell phone, a personal digital assistant (PDA), a logical central processing unit (CPU), an application programming interface (API), a computer, a server, and a handheld electronic device.

29. (Cancelled)

30. (Original) A device employing the system of claim 21 comprising at least one selected from the group consisting of a computer, a server, and a handheld electronic device.

31. (Previously Presented) A computer-implemented system that facilitates performance monitoring, comprising:

means for initiating at least one selected from a group consisting of at least one low-priority thread involving at least one computing resource and at least one high-frequency interrupt in at least one computing resource, wherein the low-priority thread comprising at least one selected from the group consisting of a memory-intensive operation thread and a computationally-intensive operation thread;

means for obtaining at least one performance parameter for the computing resource derived, at least in part, from at least one selected from the group consisting of the low-priority thread and the high-frequency interrupt; and

means for generating a report based on the at least one performance parameter upon the occurrence of a predetermined user-selected event.

32. (Cancelled)